In Situ Sediment Ozonator

U N I V E R S I T Y O F U T A H

CENTER

This Center was newly created to commercialize the promising in situ ozonator (ISO) process, which when used together with other chemical-biological treatment technologies could remediate sediments contaminated with PCB, DDT and other recalcitrant organic contaminants. Such contaminated sediments are a serious problem in many industrialized countries, and there are currently no economically and technically feasible methods for treating them in place (in situ).

TECHNOLOGY

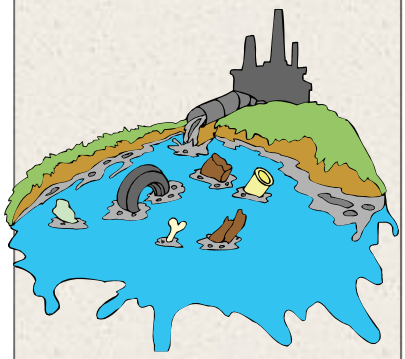
The powerful oxidizing power of ozone is harnessed in a safe, effective mechanism wherein sediments are processed and redeposited in a minimally invasive manner – immediately arresting contaminant release into the water, capping deeper contaminated layers, and promoting the onset of natural biodegradation.

ACCOMPLISHMENTS

This new Center has already completed laboratory treatment tests on PCBs and DDT, and commenced construction of a small prototype device. They have applied for an international patent, and attracted the interest and funding of both government and industry partners.

THINK TANK

What if there was...



A faster and cheaper way to remove DDT, PCBs and other tough contaminants from sediments to protect the environment and meet EPA standards?

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